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7590 04/15/2004

Brian C. Kunzler
-10 West 100 South
Salt Lake City, UT 84101

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

<i>Brian C. Kunzler</i>	(Depositor's name)
<i>Brian C. Kunzler</i>	(Signature)
<i>6/23/04</i>	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/066,835	02/04/2002	Tsann Lin	SJO920010058US1	4835

TITLE OF INVENTION: IN-SITU OXIDIZED FILMS FOR USE AS GAP LAYERS FOR A SPIN-VALVE SENSOR AND METHODS OF MANUFACTURE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
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nonprovisional	NO	\$1330	\$300	\$1630	07/15/2004
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EXAMINER	ART UNIT	CLASS-SUBCLASS
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BERNATZ, KEVIN M	1773	428-611000
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1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

Kunzler & Associates

2 _____

3 _____

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PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

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(B) RESIDENCE: (CITY and STATE OR COUNTRY)

*Hitachi Global Storage Technologies
Netherlands B.V.*

Amsterdam, The Netherlands

Please check the appropriate assignee category or categories (will not be printed on the patent); individual corporation or other private group entity government

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4b. Payment of Fee(s):

Issue Fee

A check in the amount of the fee(s) is enclosed.

Publication Fee

Payment by credit card. Form PTO-2038 is attached.

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(Date)

Brian C. Kunzler 6/23/04

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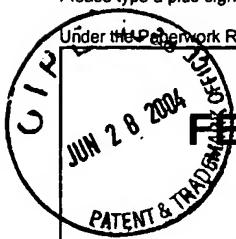
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**FEET TRANSMITTAL**

Note: Effective October 1, 2001.
Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT	\$ 1633	Attorney Docket Number	SJO920010058US1
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METHOD OF PAYMENT (check one)		FEET CALCULATION (continued)																																																																																																																																																																																																	
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Deposit Account Number: <u>50-2587</u>		<table border="1"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td></tr> <tr><td>1053</td><td>130</td><td>2053</td><td>130</td></tr> <tr><td>1812</td><td>2520</td><td>1812</td><td>2520</td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td></tr> <tr><td>1805</td><td>1840*</td><td>1805</td><td>1840*</td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td></tr> <tr><td>1252</td><td>420</td><td>2252</td><td>210</td></tr> <tr><td>1253</td><td>950</td><td>2253</td><td>475</td></tr> <tr><td>1254</td><td>1480</td><td>2254</td><td>740</td></tr> <tr><td>1255</td><td>2010</td><td>2255</td><td>1005</td></tr> <tr><td>1401</td><td>330</td><td>2401</td><td>165</td></tr> <tr><td>1402</td><td>330</td><td>2402</td><td>165</td></tr> <tr><td>1403</td><td>290</td><td>2403</td><td>145</td></tr> <tr><td>1451</td><td>1510</td><td>1451</td><td>1510</td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td></tr> <tr><td>1453</td><td>1330</td><td>2453</td><td>665</td></tr> <tr><td>1501</td><td>1330</td><td>2501</td><td>665</td></tr> <tr><td>1502</td><td>480</td><td>2502</td><td>240</td></tr> <tr><td>1503</td><td>640</td><td>2503</td><td>320</td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td></tr> <tr><td>1809</td><td>770</td><td>1809</td><td>385</td></tr> <tr><td>1810</td><td>770</td><td>2810</td><td>385</td></tr> <tr><td colspan="4">Other fee (specify) <u>Publication Fee</u></td></tr> <tr><td colspan="4">Other fee (specify) <u>Fee Code: 8001 Fee: 3.00 each</u></td></tr> <tr><td colspan="4">Printed Copy of Patent w/o color, regular service delivery by USPS, UPSTO Box, or electronic means.</td></tr> <tr> <td colspan="2">SUBTOTAL (1)</td> <td colspan="2">\$ 0</td> <td colspan="2">SUBTOTAL (3)</td> </tr> <tr> <td colspan="2">2. CLAIMS</td> <td colspan="2">Fee from below</td> <td colspan="2">Fee Paid</td> </tr> <tr> <td>Total Claims</td> <td><u>-20</u></td> <td><u>=</u></td> <td><u>18</u></td> <td><u>=</u></td> <td></td> </tr> <tr> <td>Ind. Claims</td> <td><u>-3</u></td> <td><u>=</u></td> <td><u>86</u></td> <td><u>=</u></td> <td></td> </tr> <tr> <td>Multiple Dep. Claims</td> <td><u>0</u></td> <td><u>x</u></td> <td><u>290</u></td> <td><u>=</u></td> <td><u>0</u></td> </tr> <tr> <td colspan="2">SUBTOTAL (2)</td> <td colspan="2">\$ 0</td> <td colspan="2">SUBTOTAL (3)</td> </tr> <tr> <td colspan="6">*Reduced by Basic Filing Fee</td> </tr> <tr> <td colspan="6">SUBMITTED BY</td> </tr> <tr> <td>Typed or Printed Name</td> <td colspan="3">Brian C. Kunzler</td> <td>Reg. Number</td> <td>38,527</td> </tr> <tr> <td>Signature</td> <td colspan="3"> </td> <td>Date</td> <td>Jun 23, 2004</td> </tr> <tr> <td>Deposit Account User ID</td> <td colspan="5"></td> </tr> </tbody> </table>				Large Entity		Small Entity		Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	130	2051	65	1052	50	2052	25	1053	130	2053	130	1812	2520	1812	2520	1804	920*	1804	920*	1805	1840*	1805	1840*	1251	110	2251	55	1252	420	2252	210	1253	950	2253	475	1254	1480	2254	740	1255	2010	2255	1005	1401	330	2401	165	1402	330	2402	165	1403	290	2403	145	1451	1510	1451	1510	1452	110	2452	55	1453	1330	2453	665	1501	1330	2501	665	1502	480	2502	240	1503	640	2503	320	1460	130	1460	130	1807	50	1807	50	1806	180	1806	180	8021	40	8021	40	1809	770	1809	385	1810	770	2810	385	Other fee (specify) <u>Publication Fee</u>				Other fee (specify) <u>Fee Code: 8001 Fee: 3.00 each</u>				Printed Copy of Patent w/o color, regular service delivery by USPS, UPSTO Box, or electronic means.				SUBTOTAL (1)		\$ 0		SUBTOTAL (3)		2. CLAIMS		Fee from below		Fee Paid		Total Claims	<u>-20</u>	<u>=</u>	<u>18</u>	<u>=</u>		Ind. Claims	<u>-3</u>	<u>=</u>	<u>86</u>	<u>=</u>		Multiple Dep. Claims	<u>0</u>	<u>x</u>	<u>290</u>	<u>=</u>	<u>0</u>	SUBTOTAL (2)		\$ 0		SUBTOTAL (3)		*Reduced by Basic Filing Fee						SUBMITTED BY						Typed or Printed Name	Brian C. Kunzler			Reg. Number	38,527	Signature				Date	Jun 23, 2004	Deposit Account User ID					
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PATENT
Docket No. SJO920010058US1

**IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE**

APPLICANT(S): TSANN LIN

SERIAL NO.: 10/066,835

FILING DATE: FEBRUARY 4, 2002

TITLE: IN-SITU OXIDIZED FILMS FOR USE AS GAP LAYERS FOR A SPIN-VALVE
SENSOR AND METHODS OF MANUFACTURE

EXAMINER: KEVIN M. BERNATZ

GROUP ART UNIT: 1773

ATTY. DKT. No.: SJO920010058US1

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**TRANSMITTAL OF THE
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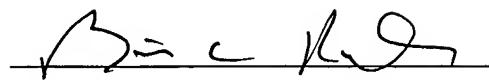
Sir:

The enclosed Payment of the Issue Fee Due is submitted herewith pursuant to 37 C.F.R. § 1.67 and M.P.E.P. § 603.01 for filing in the matter of the United States patent application as hereinabove identified. A duplicate copy of this sheet is enclosed.

Please address all future correspondence in connection with the above-identified patent application to the attention of the undersigned.

Commissioner of Patents
June 23, 2004
Page 2

Respectfully Submitted,
Brian C. Kunzler



Brian C. Kunzler
Reg. No. 38,527
Attorney for Applicant

Date: June 23, 2004

Brian C. Kunzler
8 East Broadway, Suite 600
Salt Lake City, Utah 84111
Telephone: 801/994-4646



CERTIFICATE OF DEPOSIT UNDER 37 C.F.R. § 1.8

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on _____

Respectfully submitted,

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Transmitted: Transmittal of Payment of Issue Fee.